



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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नई दिल्ली, शनिवार, मई 1, 1982 (बैशाख 11, 1904)

No. 18]

NEW DELHI, SATURDAY, MAY 1, 1982 (VAISAKHA 11, 1904)

इस भाग में इन पृष्ठ संख्या की जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III-खण्ड 2

## [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

## THE PATENT OFFICE

## PATENTS AND DESIGNS

Calcutta, the 1st May 1982

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700 017.The dates shown in crescent brackets are the dates claimed  
under Section 135, of the Act.

25th March 1982

336/Cal/82. Mitsui Toatsu Chemicals, Incorporated. Continuous preparation of organic isocyanates.

337/Cal/82. Hoechst Aktiengesellschaft. Electrolytic cell.

338/Cal/82. Barr & Stroud Limited. Laser Rangefinders.  
(25th March 1981/U.K.)339/Cal/82. Magnesium Elektron Limited. Magnesium alloys.  
(25th March 1981/U.K.)

26th March 1982

340/Cal/82. Unisearch Limited. Improvement in wind driven machine.  
(3rd April, 1981/Australia).

341/Cal/82. Douwe Egberts. Koninklijke Tabaksfabriek-Koffiebrandenij-Theehandel N. V. A method of producing a flavour composition suitable for flavouring tea.

342/Cal/82. Sree Abhijit Das. Solid state electromagnetic quantum generator (SSEQG).

343/Cal/82. ARC Technologies Systems, Ltd. Electrode for arc furnaces and method of producing steel.

344/Cal/82. ARC Technologies Systems, Ltd. Electrode for arc furnaces and use of this electrode.

345/Cal/82. M.A.N. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft. Coupling for use in anchorage of floating bodies.  
(21st January, 1982/U.K.).

27th March 1982

346/Cal/82. Dynamit Nobel Aktiengesellschaft. Process for the chlorination of cyclic amides and cyclic vinylous amides.

347/Cal/82. Dorothy Elizabeth Howe and Peter Howe. An improved freight carrier.  
(20th May, 1977/U.K.)  
(Divisional Date 19th May 1978).

348/Cal/82. Siemens Aktiengesellschaft. Contact members in electrical switches.

29th March 1982

349/Cal/82. Satnam Singh. An improved arrangement for feeding fabric to a calender machine.

350/Cal/82. Sauder Energy Systems, Inc. High temperature insulation.

351/Cal/82. Hylsa, S. A. Improved apparatus for separating agglomerated particulate matter.

30th March 1982

352/Cal/82. Warman International Limited. Centrifugal Pump.

353/Cal/82. Corning Glass Works. Optical waveguide fiber, and methods of forming an optical waveguide fiber and an optical waveguide preform.

354/Cal/82. Otsuka Chemical Co. Ltd. Aminosulfonyl chloride derivatives, process for preparing the same, and process for preparing carbamate derivatives useful as insecticidal, miticidal or nematicidal compounds.

355/Cal/82. Mitsubishi Denki Kabushiki Kaisha. Terminal connecting device for pulling-type breaker,

356/Cal/82. Alligator Ventilfabrik GMBH. Air valves for tubes of tyres.

357/Cal/82. Cincinnati Milacron Inc. Polyamide and functional fluid containing same.

358 Cal/82. Isover Saint-Gobain. Washing process and apparatus used in the manufacture of mineral fiber mat.

APPLICATION FOR PATENT AT THE PATENT OFFICE BHANCH, MUNICIPAL MARKET BUILDING, III RD FLOOR, KAROL BAGH, NEW DELHI-110005

8th March 1982

185/Del/82. Shri Ram Institute for Industrial Research. "A reactor for producing high viscous polymers".

186/Del/82. Shri Ram Institute for Industrial Research. "A reactor for producing high viscous polymers".

187 'Del/82. Shri Ram Institute for Industrial Research. "A reactor for producing high viscous polymers".

188/Del/82. Shri Ram Institute for Industrial Research. "A reactor for producing high viscous polymers".

189/Del/82. Shri Ram Institute for Industrial Research. "A reactor for producing high viscous polymers".

190/Del/82. Shri Ram Institute for Industrial Research. "A reactor for producing high viscous polymers".

191/Del/82. Shri Ram Institute for Industrial Research. "A reactor for producing high viscous polymers".

192/Del/82. Peterson Manufacturing Co. Inc. "Long nose locking pliers".

193/Del/82. Imperial Chemical Industries Plc.. "Guaniidine derivatives." (March 9, 1981 & September 17, 1981).

194/Del/82. Washington State University Research Foundations Inc., "Process of forming basalt fibers with improved tensile strength". [Divisional date March 12, 1979].

195/Del/82. Denison manufacturing Co.. "Corona charging apparatus".

9th March 1982

196/Del/82. Klockner-Humboldt-Deutz Aktiengesellschaft. "Method for producing a gas consisting mainly of H<sub>2</sub> and CO and reactor for carrying out such method".

197/Del/82. Lunitref Aluminium. "Process of manufacturing of aluminium wire rods".

198/Del/82. Lunitref Aluminium. "Process and apparatus for the manufacturing of an elongated aluminium product".

199/Del/82. Union Carbide Corporation. Process for monoolefin separation with low butene-1 isomerization activity".

200/Del/82. Imperial Chemical Industries Plc.. "Hydrogen". (March 26, 1981).

11th March 1982

201/Del/82. Quisley Company Inc.. "Monolithic refractory layer for metallurgical vessels and method of application".

202/Del/82. Coors Container Co. "Process for making can end stock from roll cast aluminum and product".

203/Del/82. Fmc Corporation. "Pesticidal composition and method for treating seeds prior to planting".

204/Del/82. Mr. Gopi Kishan Kabra. "A device for indicating the level quantity of liquified gas in a container."

205/Del/82. K. D. Gode, B. K. Chakravarthy. "Process of isolation of (-) Epicatechin"

12th March 1982

206/Del/82. Licencia Talalmanyokat ertekelesito vallalat. "Method for dewatering mineral suspensions".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH TOWER ESTATE III RD FLOOR, TOWER PARSHI (WEST) BOMBAY-13.

11th March 1982

55/BOM 82. Lal-Roc Measuring Tools Private Limited. An improved device for cutting and scraping used for multifarious purposes.

12th March 1982

56/BOM/82. Padmanna Jambu Chaugule. Curved slabs with precast building components

57/BOM/82. Dholaria Karsan Ramjibhai. A safety device for water cooled diesel engines.

58/BIM/82. Shyam Bhagwandas Kewalramani. Opto-electric device for flow metres and the like.

15th March 1982

59/BOM/82. Devendra S. Naik. Compact Beam dyeing.

17th March 1982

60/BOM/82. Hindustan Lever Limited. Fabric washing formulations.

61/BOM/82. (1) Colonel Darabsha Ardesir Mehta, (2) Porushasp Darabshah Mehta, (3) Thrity Darabshah Mehta. A new locking device for sliding windows of vehicles and a sliding window comprising the same.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

27th March 1982

63/Mar/82. K. Seshadri. A gas content indicating valve.

#### ALTERATION OF DATE

149819

605/Del/79. Antidated 18th June, 1977.

149820

790/Del/79. Antidated 18th June, 1977

149828

602/Cal/80. Antidated 22nd March, 1978.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned may, at any time within four months of the date of this issue or within such further period not exceeding one month annexed for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

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Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS. 205H

149811.

Int. Cl. B60C 19/00.

## TIRE VALVE.

Applicants : MICHELIN & CIE (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN), OF 4 RUE DU TERRAIL, 6300 CLERMONT-FERRAND, FRANCE.

*Inventor* : JEAN LEFRANCOIS.

Application No. 342/Cal/78. filed March 30, 1978.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

The valve having a valve body and a valve base, characterized by the fact that it comprises an element which is elastic in transverse direction and rigid in longitudinal direction and an end of which is capable of moving in transverse direction and then resuming its initial shape, said element being located on the periphery of the valve body.

Compl. Specn. 12 pages.

Drgs. 5 Sheets.

CLASS. 62D &amp; E; 206E &amp; I.

149812.

Int. Cl. D06C 19/00.

## A TWIST DETECTING DEVICE FOR USE IN A DETWISTING APPARATUS.

*Applicant and Inventor* : MITURU KURODA, OF 16, MOMOYAMA MIZUNO SAKON HIGASHIMACHI, FUSHIMI-KU, KYOTO, JAPAN.

Application No. 437/Cal/78. filed April 22, 1978.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A twist detecting device for use in a detwisting apparatus for a roped web of knit or woven fabric in a fabric processing system comprising : a pair of sensing drums each having a plurality of axial grooves formed on at least a portion of the circumferential surface thereof, and a rod fixed to another portion of said circumferential surface of each said drum so as to extend laterally therefrom perpendicularly to the axis thereof; and drums being arranged side by side with their respective axes extending in parallel with each other and said grooved surfaces facing in the same direction and said rods extending side by side in parallel with each other; said drums being separated by a space between said grooved surfaces so that said roped web passes through said space in a direction generally parallel with said grooves; means for supporting said drums rotatably about respective axes so that as said twist in said rope is tightened, engagement of said twisted rope with said grooves on said drums causes simultaneous rotation of said drums and consequently swinging of said rods in the same direction; an actuating bar pivotably connected said rods so that upon simultaneous swinging of said rods said actuating bar is moved generally axially in either direction, whereby the direction of the twist in said roped web is detected by the direction of movement of said bar, and means for detecting the direction of movement of said bar to produce a corresponding electrical signal.

Compl. Specn. 10 pages.

Drgs. 5 Sheet.

CLASS. 94G.

149813.

Int. Cl. B02C 11/00, 13/00.

## A DEVICE FOR TAKING UP AXIAL STRESSES OF A ROTATING CYLINDRICAL BODY.

*Applicant* : LIVI S-C A.I.L BABCOCK, OF 7 RUE MONTAUVET, 75383 PARIS CEDEX 08, FRANCE.

*Inventors* : (1) ALAIN CHIELENS, (2) BERNARD DESCAMPES, (3) GERARD MARCHAL.

Application No. 463/Cal/78. filed April 27, 1978.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A device for taking up axial stresses of a rotating cylindrical body, such as a grinding mill, which is provided with at least one circumferential ring having a plane face, said device being characterized by the fact that it comprises a support mounted on a fixed stand to be pivotable about an axis which is radial to said ring of said rotating body, the said support being provided with at least one shoe disposed to slide in use along the plane face of the ring.

Compl. Specn. 11 Pages.

Drg. 4 Sheets.

CLASS. 174G.

149814.

Int. Cl. F16f 7/00.

## IMPROVEMENTS IN OR RELATING TO DAMPING STOPS.

*Applicants* : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

*Inventor* : (1) ROBERT WEINKE, (2) GEROG WIESMEIER.

Application No. 472/Cal/78. filed May 2, 1978.

Convention date January 20, 1978, (02306/78). U.K.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A damping stop more particularly for use in a teleprinter or a printer for a date processing installation operating at high switching speeds which damping stop comprises a shock and/or noise absorbing body of an elastomer having an external surface on which is disposed a metal layer whose mean thickness is considerably less than the dimension of the elastomeric body perpendicular to said layer, said dimension being at least five times the thickness of said layer.

Compl. Specn. 10 Pages.

Drg. 1 Sheet.

CLASS. 172D &amp; F.

149815.

Int. Cl. D01h 1/00, D02g 3/00.

## METHOD AND APPARATUS FOR PRODUCING A BOUND YARN.

*Applicant* : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH EBERT-STRASSE 84,8070 INGOLSTADT, WEST GERMANY.

*Inventor* : ERICH BOCK.

Application No. 636/Cal/78. filed June 12, 1978.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A method of producing a bound yarn, which consists of a non-twisted sliver round which a binder thread is wound, the binder thread leaving a thread package, and the sliver leaving a pair of delivery rollers, being guided through a hollow spindle, so that a false twist is automatically imparted the sliver and the bound yarn is drawn out of the hollow spindle and wound up, characterised in that the sliver and the binder thread are introduced into the hollow spindle through separate openings of the latter; the binder thread being passed through a section of the hollow spindle to a deflection point associated with the sliver, the false twist imparted to the sliver being eliminated at this deflection point; and the binder thread being then helically wound round the sliver in the vicinity of this deflection points.

Compl. Specn. 21 Pages.

Drg. 2 Pages.

CLASS : 128A.  
Int. Cl. A61f 13/20.

149816.

A METHOD OF PRODUCING A SOFT, COMFORTABLE CATAMENIAL TAMпон SEALED IN LIQUID IMPERMEABLE CONTAINER OR ENVELOPE.

*Applicants* : PERSONAL PRODUCTS COMPANY AT MILLTOWN NEW JERSEY, U.S.A.

*Inventor* : WILLIAM BICKLEY.

Application No. 971/Cal/78. filed September 4, 1978.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A method of producing a soft, comfortable catamenial tampon sealed in liquid impermeable container or envelope comprising as an absorbent medium cellulose sponge, the method comprising the steps of forming by conventional method a tampon from said sponge, saturating said tampon with a softening liquid as herein defined, applying pressure to said tampon to remove out excess liquid to the extent that said tampon retains from 0.05 to 2.5 grams of liquid per gram of cellulose sponge and packaging by conventional method said tampon in a known softening liquid impermeable container.

Compl. Specn. 13 Pages.

Drg. 1 Sheet.

CLASS. 108C.  
Int. Cl. C21b 13/08.

149817.

## STEELMAKING PROCESS.

*Applicants* : METALLGESELLSCHAFT A. G. OF 16, FRANKFURT A.M. REUTERWEG, WEST GERMANY.

*Inventors* : 1. SERBENT HARRY DR.

2. REUTER GERHARD DR.

3. SCHNABEL WOLFRAM DR.

4. HEINZ EICHBERGER.

Application No. 339/Cal/79 filed April 5, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims No Drawing

A steelmaking process in which materials containing iron oxide are directly reduced and the sponge iron is melted by the electro-slag resistance process, characterized in that :

(a) Metallurgical residual materials which contain oxides and volatilizable nonferrous metals or compounds thereof are treated in a rotary kiln with solid carbonaceous reducing agents and are thus reduced in a high proportion to sponge iron whereas a substantial part of their nonferrous metal content is volatilized.

(b) the solids discharged from the rotary kiln are sieved with a parting size of about 3 to 10 mm, depending on the feed grading of the residual materials and their disintegration characteristics, so that a major part of the unmagnetic material is included in the fine fraction;

(c) the coarse fraction obtained from step (b) is subjected to the electro-slag resistance process;

(d) the fine fraction obtained from step (b) is subjected to an electro-magnetic separation;

(e) the magnetic fraction obtained from step (d) is subjected to the electro-slag resistance process; and

(f) the unmagnetic fraction obtained from step (d) incorporated in and bonded to the feed mixture for the rotary kiln by a rolling or pelletizing operation.

Compl. Specn. 7 Pages.

Drawings. Nil.

CLASS. 31A & 155F.

149818.

Int. Cl. H01e 3/00, H01g 1/00, C09K 3/00.

A PROCESS FOR PREPARING NON-HALOGENATED, HARMLESS IMPREGNANT FOR CAPACITORS.

*Applicants* : M/S BHARAT HEAVY ELECTRICALS LIMITED OF 18-20, KASTURBA GANDHI MARG, NEW DELHI, INDIA.

*Inventor* : DR. KUNDAPUR MANJUNATH KAMATH.

Application No. 410/Del/78 filed June 3, 1978.

Complete Specification left June 8, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Delhi Branch.

## 3 Claims

Process for preparing non-halogenated, harmless impregnant for capacitors, which comprises subjecting to orientation the mixed natural or synthetic glycerides such as tri-glycerides of ricinoleic, oleic, stearic and linoleic in the temperature range of 70° to 110° and in presence of activated absorbents such as 5 to 75% of activated alunina, korrie earth and silica gel.

Complete Specn. 21 pages.

Drg. 1 sheet.

CLASS 182A & C

149819

Int. Cl. C13c 1/00

A SYNERGISTIC COMPOSITION FOR REDUCING THE SUGAR CONTENT AND MOISTURE CONTENT IN BAGASSE.

*Applicant & Inventor* : DR. NANDURI ATCHUTA RAMAIAH, DIRECTOR, NATIONAL SUGAR INSTITUTE, KANPUR, U.P. INDIA AND DR. SUSHIL KUMAR SRIVASTAVA, SENIOR TECHNICAL OFFICER (SUGAR TECHNOLOGY), NATIONAL SUGAR INSTITUTE, KANPUR, U.P. INDIA.

Application No. 605/Del/79 filed August 27, 1979.

Division of Application No. 135/Del/77, filed June 18, 1977.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 5 Claims

A synergistic composition for reducing the sugar ("Pol") content and moisture content in Bagasse before being disposed of comprising a mixture of

(i) an ester of sodium sulfo-succinic acid and (ii) Alkylarene sulphonate the said components (i), (ii) being present in the ratio of 4.5 : 2.5 to 3.8 : 3.2 and trace amounts of an emulsifier and sodium sulfite.

Comp. Specn. 8 pages.

Drg. 1 sheet.

CLASS 182 A & C

149820

Int. Cl.-C13C 1/00.

A SYNERGISTIC COMPOSITION FOR REDUCING THE SUGAR CONTENT AND MOISTURE CONTENT IN BAGASSE.

*Applicant & Inventor* : DR. NANDURI ATCHUTA RAMAIAH, DIRECTOR, NATIONAL SUGAR INSTITUTE, KANPUR, U.P. INDIA AND DR. SUSHIL KUMAR SRIVASTAVA, SENIOR TECHNICAL OFFICER (SUGAR TECHNOLOGY), NATIONAL SUGAR INSTITUTE, KANPUR, U.P. INDIA.

Application No. 790/Del/79 filed November 7, 1979.

Division of Application No. 135/Del/77 dated June 18, 1977.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Delhi Branch.

## 4 Claims. No drawings

A synergistic composition for reducing the sugar ("Pol") content and moisture content in Bagasse before being disposed of comprising a mixture of (i) an ester of sodium sulfo-succinic acid and (ii) Alkylarene sulphonate, the said components (i), (ii) being present in the ratio of 4.5 : 2.5 to 3.8 : 5.3 and trace amounts of a vegetable oil such as coconut oil.

Complete Specn. 8 pages.

Drg. Nil

CLASS 70C, 154A&C 149821.  
Int. Cl.-B41C 1/10

IMPROVEMENTS IN OR RELATING TO THE ELECTROLYTIC GRAINING OF ALUMINIUM OR ALUMINUM ALLOY.

*Applicants* : VICKERS LIMITED, OF VICKERS HOUSE, MILLBANK TOWER, MILLBANK, LONDON SW1P 4RA, ENGLAND.

*Inventor* : MARSHALL OULD AND GEOFFREY NORMAN STEVENS

Application No. 417/Cal/78 filed April 15, 1978.

Convention date April 16, 1977 (15885/77), U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims. No drawings

A method of electrolytically graining aluminium or an aluminium alloy, which comprises immersing the aluminium or aluminium alloy in an aqueous electrolyte comprising a mixture of hydrochloric acid and a monocarboxylic acid containing from 1 to 4 carbon atoms and passing an alternating current through the electrolyte, the concentration of hydrochloric acid in the electrolyte being from 0.05 to 0.5M and the concentration of monocarboxylic acid in the electrolyte being from 0.05 to 2.20 M.

Complete Specn. 8 pages.

Drg. Nil

CLASS 23H; 99E 149822.  
Int. Cl.-B65d 11/00

CAPSULE BODY FOR A PHARMACEUTICAL PREPARATION, AND METHOD OF AND APPARATUS FOR PRODUCING IT.

*Applicants* : CAPSUGEL AG, FNGFLGASSE 11, CH-4010 BASEL /SWITZERLAND.

*Inventors* : HANS ULRICH BODENMANN, LOUIS PHILIPPE VAN HIRLI AND WINAND HENDRIK MARTENS.

Application No. 504/Cal/78 filed May 10, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A capsule body for use with a capsule cap as a capsule for pharmaceutical preparation, and of a substantially cylindrical shape, closed at one end and open at other characterised in that the diameter of the capsule body at or near the open end is less than the diameter of the body of the capsule.

Complete Specn. 7 pages.

Drg. 1 sheet

CLASS 131A, 149823.  
Int. Cl. E01g 5/00

PROCESS FOR CONSTRUCTING A SINGLE-SHELL CRACKFREE WALL, IMPERMEABLE TO WATER, PREFERABLY FOR TUNNELS.

*Applicants* : UT-ES VASUTTERVEZO VALLALAT, OF VIAGADO TER 1, BUDAPEST V, HUNGARY.

*Inventor* : JOZSEF BALOGH.

Application No. 698/Cal/78 filed June 24, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

Process for constructing a single-shell crackfree impermeable walling, made of concrete or reinforced concrete elements, preferably for tunnels, characterized in that between joints of the elements constituting the walling, furtheron between the walling and materials attacking the walling and exerting

a continuous load onto it, e.g. earth, rock, previously to building-in, a rheological-consolidating material, i.e. a conglomerate consisting of granular and/or fibrous particles, as well as of the semisolid or fluent material filling up gaps between said particles in introduced, in course of the relative displacement of the elements and after having reached the state of equilibrium, and when the rheological consolidating material has occupied its joint-filling and load bearing position, the extrusion of the rheological consolidating material is prevented by closing the free ends of the joints between the elements.

Complete Specn. 8 pages.

Drg. 1 sheet

CLASS 99B & E & F 149824.  
Int. Cl.-B44d 3/12

IMPROVEMENTS IN OR RELATING TO A TWO RECEPTACLE COMPOSITE CONTAINER.

*Applicants* : THE METAL BOX CO. OF INDIA LTD. OF BARLOW HOUSE 59C, CHOWRINGHEE ROAD, CALCUTTA-700 020.

*Inventor* : MR. S. VISWESWARAN.

Application No. 718/Cal/78 filed June 29, 1978.

Complete Specification left 19th September 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A two receptacle composite container of the kind specified including an outer receptacle, an inner receptacle, a cover member for the outer receptacle and an insert, said inner receptacle being attached to the insert which is fitted to said cover member.

Complete Specn. 8 pages.

Drg. 2 sheets

CLASS 129H & P 149825.  
Int. Cl.-H23b 1/00

APPARATUS FOR MACHINING OR TURNING FLANGES OF LARGE DIMENSIONS.

*Applicants* : VEB GASKOMBINAT SCHWARZE PUMPE, OF 761 SCHWARZE PUMPE/DDR, GERMAN DEMOCRATIC REPUBLIC.

*Inventors* : DIPL-ING. WILHELM HARTMANN AND DIPL-ING. KLAUS HUTH.

Application No. 787/Cal/79 filed July 30, 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An apparatus for machining sealing surfaces of circular flanges of vessels, pipes or the like comprises an inner flange adapted to be supported on the flange to be machined a device having a casing supported on the inner flange, a rotatable disc mounted within the casing on a spindle supported in the casing, a main drive for the apparatus for rotating the said disc through its drive means and a tool support mounted on the disc and having a cutting tool adapted to be moved periodically along the sealing surface.

Complete Specn. 8 pages.

Drg. 4 sheets

CLASS 32E 149826.  
Int. Cl. C08f 1/00, 1/72, 3/12

A METHOD OF POLYMERISING A MONOMER FEED TO FORM POLYBUTYLENE.

*Applicants* : COSDEN TECHNOLOGY, INC. OF 118 WEST SECOND STREET BIG SPRING, TEXAS 79720, U.S.A.

*Inventor* : JAMES M. WATSON.

Application No. 823/Cal/78 filed July 27, 1978.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

A method of polymerizing a monomer feed consisting mainly a mixed butenes to form polybutylene, which comprises the step of passing the feed through a fixed bed of catalyst material which is maintained at its activation temperature, in the range of from 84°F to 139°F and at a pressure range of from 77 to 88 p.s.i.g., said catalyst comprising a Lewis acid chloride catalyst intercalated within graphite and a co-catalyst of HCl is used in conjunction with the dried feed further enhancing the effectiveness of the intercalated catalyst.

Complete Specn. 14 pages.

Drg. Nil.

CLASS 14A<sub>2</sub> & 34A

149827

Int. Cl.-B2gD 7/00, 27/00

**PROCESS FOR PREPARING A MICROPOROUS THERMOPLASTIC FILM.**

*Applicants* : CHLORIDL INDIA LIMITED, OF EXIDE HOUSE 59E CHOWRINGHEE ROAD, CALCUTTA -700 020, WEST BENGAL, INDIA.

*Inventors* : DR P. S. MITRA AND SUBHAS CHANDRA CHAUDHURY.

Application No. 37/Cal/79 filed January 15, 1979.

Complete Specification left January 14, 1980.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

A process for preparing a microporous thermoplastic film suitable as battery separator by blending and mixing a thermoplastic polymer, a filler and an extractable mixed solvent containing isophorone and kerosene, forming a dough of said mixture and subjecting said dough to extrusion to form film or sheet wherein improvement comprises extracting said mixed solvent containing isophorone, and kerosene from the extruded film or sheet with pure or water diluted alcoholic solvent as herein described, removing the alcohol from said film by treatment with hot water, removing said filler by acid hydrolysis and separating the alcoholic solvents from the extracted solution by distillation.

Complete Specn 9 pages

Drg. Nil.

CLASS 55B<sub>1</sub>

149828

Int. Cl. -C09b 47/04

**PROCESS FOR PROTECTING ORGANIC OR INORGANIC MATERIALS AGAINST ATTACK FROM MICRO-ORGANISMS.**

*Applicants* : CIBA-GEIGY AG, OF KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

*Inventors* : RUDOLF, GERHARD REINERT, GERM HOLZLE, ANDRE PUGIN, RODOLPHE VONDERWAHL, RUDOLF POI ANY.

Application No. 602/Cal/80 filed May 22, 1980.

Division of Application No. 313/Cal/78 filed March, 22, 1978.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims

A process for protecting organic or inorganic material as herein described against attack from micro-organisms, which comprises bringing in contact the materials with a water-soluble phthalocyanine derivative, in the presence of oxygen and water and while irradiating with light in the infra-red and/or visible range.

Complete Specn. 45 pages.

Drg. 8 sheets

CLASS 55D<sub>2</sub>

149829.

Int. Cl.-A01n 9/36

**A PROCESS FOR PREPARING CORROSION INHIBITED AGRICULTURAL COMPOSITIONS.**

*Applicants* : MONSANTO COMPANY, OF 800 NORTH LINCOLN BOULEVARD, ST. LOUIS, MISSOURI 63166, UNITED STATES OF AMERICA.

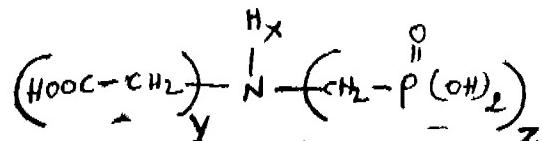
*Inventors* : GEORGE BERNARD BLOSTMAN, AND ERHARD JOHN PRILL.

Application No. 514/Cal/78 filed May 12, 1978.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

13 Claims

A process for preparing an agricultural composition comprising mixing an active ingredient selected from the amino-methylenephosphonic acids of the formula shown in the figure 1.



wherein Y and Z are each individually 1 or 2, and X is 0 or 1, the sum of X, Y and Z being 3, and the agriculturally acceptable salts and esters thereof and a metal corrosion inhibiting amount of a thio compound wherein the amount of the thio compound is between 0.15 and 3 per cent by weight of the active ingredient and wherein the thio compound is selected from the group consisting of the alkane thiols and dithiols having from 2 to 16 carbon atoms in the alkane moiety, aromatic thiols, cycloaliphatic thiols, the alkali metal thio salts of polybasic inorganic acids which are ammonium thiosulfate, ammonium thiophosphate, ammonium thiocarbonate, sodium thiophosphate, potassium thiophosphate, sodium dimethyl dithiocarbonate or sodium thiocarbonate.

Complete Specn 31 pages.

Drg. 1 sheet

CLASS 69D & 98H

149830

Int. Cl.-G05d 23/02

**APPARATUS FOR MAKING A BI-METALLIC ELECTRICAL CONTACT.**

*Applicants* : CIINGAI DENKI KIDGYO KABUSHIKI-KAISHA OF 13/3, NIBONBASHI-KAYABACHO 2-CHOME, CHUO-KU, TOKYO, JAPAN.

*Inventor* : AKIRA SHIBATA.

Application No. 815/Cal/78 filed July 25, 1978.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Apparatus for making a tri-metallic electrical contact by cold pressing, comprising means for axially aligning three pieces of cut wires; a first die and punch combination having a first cavity for firmly supporting therein the confronting end portions of a first pair of said aligned wires while the confronting end portions of a second pair of said aligned wires are disposed externally of said first cavity, said die and said punch being relatively movable for causing deformation between said confronting end portions of said second pair of said wires externally of said first cavity, thereby to cold press the last-named end portions together along a first seam, means for transferring said axially aligned wires from said first die and punch combination to a second die and punch combination, said second die and punch combination having a second cavity for firmly supporting therein the entire first seam and said confronting end portions of said second pair of aligned wires after transfer of said

wires to said second die and punch combination, and with said confronting end portions of said first set of wires being disposed externally of said second cavity, said die and said punch of said second combination being relatively movable for causing deformation in said confronting end portions of said first pair of aligned wires externally of said second cavity thereby to cold press together the confronting end portions of said pair of wires along a second seam.

Complete Specn. 8 pages.

Drg. 4 sheets

CLASS 32-E

149831

Int. Cl. C 08 f 27/00

**PROCESS FOR THE PREPARATION OF NOVEL CROSS LINKED POLYSTYRENE RESIN HAVING A DIKETONE FUNCTIONALITY.**

*Applicants :* (1) INDIAN EXPLOSIVES LIMITED, OF ICI HOUSE, 34 CHOWRINGHEE ROAD, CALCUTTA-700 071, WEST BENGAL, INDIA

(2) THE ALKALI AND CHEMICAL CORPORATION OF INDIA LTD., OF ICI HOUSE, 34 CHOWRINGHEE ROAD, CALCUTTA-700 071, WEST BENGAL, INDIA.

(3) CHEMICALS AND FIBRES OF INDIA LIMITED, OF CRESCENT HOUSE, 19 WALCHAND HIRACHAND MARG, BOMBAY-400 038, MAHARASHTRA, INDIA.

*Inventors :* (1) DR. ANNOTTAM GHOSH, (2) DR. SUMIT BHADURI.

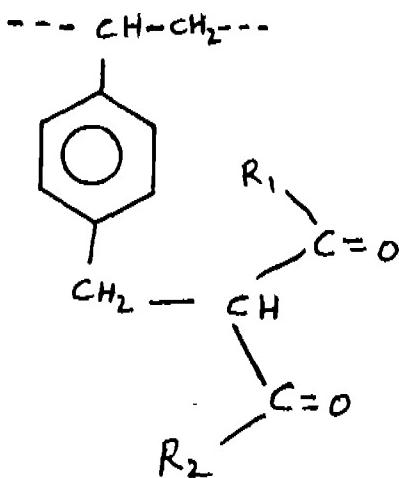
Application No. 250/Bom/1978 filed August 21, 1978.

Complete specification left after provisional on October 31, 1979.

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

5 Claims

A process for the preparation of novel crosslinked polystyrene resin having a diketone functionality having the structure as shown in Figure 1 of the accompanying drawings



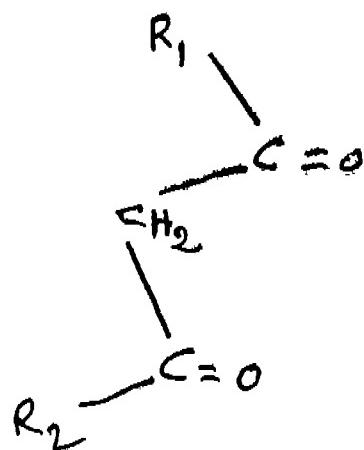
wherein  $\text{R}_1$  and  $\text{R}_2$ , which may be the same or different, are benzyl or alkyl groups having 1 to 3 carbon atoms and  $-\text{CH}-\text{CH}_2-$  is the (crosslinked) polymer backbone, which comprises the steps of chloromethylation by known methods of a crosslinked polystyrene resin followed by reacting the chloromethylated resin with a diketone of the structure as shown in Figure 2 of the drawings where  $\text{R}_1$  and  $\text{R}_2$  have the same meaning as in Figure 1 in the presence of a base such as herein described and a solvent such as herein described.

Complete Specn. 6 pages

Provisional specn 3 pages

Drawing 1 sheet

Drawing 1 sheet



CLASS : 97-C,

149832.

Int. Cl; F24 1/00.

A SHOCK PROOF 3-PHASE DIRECT RESISTANCE ELECTRIC HEATER FOR HEATING CONDUCTING LIQUIDS SUCH AS WATER DIRECTLY.

*Applicant :* TATA ENGINEERING AND LOCOMOTIVE COMPANY LIMITED, BOMBAY HOUSE, 24 HOMI MODY STREET, FORT, BOMBAY-400 023, MAHARASHTRA, INDIA.

*Inventors :* 1. HARI OM PRAKASH SRIVASTAVA & 2. LALITESWAR PRASAD KARN.

Application No. 57/Bom 1979 filed : FEB. 23, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A shock proof 3-phase direct resistance electric heater for heating conducting liquids such as water directly comprising a heat generating cum voltage filtering chamber having atleast one earth point and having atleast 2 openings at one side such that the openings are one below the other vertically and containing 3 electrodes connectable to a 3-phase ac supply each of the electrodes being mounted at each vertex of an equilateral triangle defined by a support plate supported in the said chamber such that the distance of the electrodes to the inner wall of the said chamber is larger than the distance between any of the two electrodes and a heat utilising or dissipating tank adjoining the said one side of the said chamber.

Complete specification 7 pages.

Drawing sheet—3

Class : 179D

149833.

Int. Cl. B67b 3/00.

**TITLE : FIXABLE TYPE CLOSURES FOR CONTAINERS WITH MEANS TO OPERATE THE SAME.**

*Applicant :* POLYSET CORPORATION : PROPRIETORS, PREMO PLASTIC (PVT) LTD., ADMINISTRATIVE OFFICE, 904, REGENT CHAMBERS, NARIMAN POINT, BOMBAY-400 021 MAHARASHTRA, INDIA.

*Inventor :* MOHANLAL FUTARMAT BAFNA.

Application No. 209/BOM/80 Filed on 10 July 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

An air tight closure for containers comprising of a pair of co-operating closure members made up of a lower plain

dish shaped flexible member and an upper comparatively rigid lid member, said dish shaped member being made of a flexible material and being of a continuous member while the upper lid member has a central opening on same for passage of an operating member for the flexible dish member, the flexible member, having mounted on same an operating member passing from the inside of the flexible member through the central opening in the lid member and protruding outside, the operating member being made of at least two portions, a narrow upper portion and a broader/wider lower portion, both portions being co-axially disposed, the width of the broad lower portion being 2 to 3 times the width of the narrow upper portion, the whole assembly being such that the flexible dish member depends from the lid member while the operating member has its broad lower portion housed within the space between the two members (the flexible and the lid member and resting on the inner side of the flexible member) while its upper portion partly protrudes through the central hole in the lid member.

Complete Specification—9 pages; Drawing—1 sheet.

CLASS : 24B. 149834.

Int. Cl. F16d 55/00.

#### A DISC BRAKE ASSEMBLY.

*Applicant* : LUCAS INDUSTRIES LIMITED, GREAT KINGSTREET, BIRMINGHAM 19, ENGLAND.

*Inventor* : GEORGE WINDSOR SMITH.

Application No. 177/Mas/79 filed September 19, 1979.

Convention date : 25-9-1978 (No. 38065/78 United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 5 Claims

A disc brake assembly for use in combination with a rotating brake disc, the disc brake assembly comprising; a carrier member for mounting in a fixed position straddling the periphery of the brake disc; first and second brake pads, mounted on the carrier member for engaging opposite faces of the brake disc, the brake pads being located on the carrier member such that drag forces imposed on the pads in use are transferred to the carrier member; and a clamping member for forcing the pads towards each other and into engagement with the brake disc, the clamping member being an integral structure slidably mounted on the carrier member for movement parallel to the axis of rotation of the disc and comprising a first portion located on one side of the disc in which is formed the cylinder of a piston and cylinder actuator for forcing the pad located on that side of the disc towards the disc, and a second portion located on the other side of the disc and connected to the first portion by connecting means integral with the first and second portions, the connecting means when viewed in a direction parallel to the axis of rotation of the disc comprising a pair of arcuate webs of metal which closely follow the periphery of the disc and which are disposed substantially symmetrically with respect to the central plane of clamp of the brake assembly, the connecting means being the circumferentially extreme of the parts of the brake assembly which span the disc.

(Com. 14 pages; Draw.—4 sheets).

CLASS 24B. 149835.

Int. Cl. F16d 69/04.

#### A FRICTION PAD ASSEMBLY FOR RAIL VEHICLE BRAKES.

*Applicant* : LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

*Inventor* : GERALD ALLAN OTTEWELL.

Application No. 6/Mas/80 filed January 9, 1980.

Convention date : January 18, 1979 (No. 7902044 United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 9 Claims

A friction pad assembly of the kind set forth in which a keeper for engagement with one end of the rigid backing plate comprises an abutment member which is pivotally mounted on one end of the shoe by means of a pin between spaced lugs of a mounting block, the keeper being movable between an operative clamping position in which the backing plate is urged into engagement with the shoe and a retracted position spaced from the operative position in which the friction pad and the backing plate can be removed from the shoe, and a wedge is provided, the wedge being releasably driveable between the abutment member and a bearing face in the block to urge the abutment member in the operative clamping position.

(Com.—8 pages; Drwgs.—3 sheets).

CLASS : 148F.

Int. Cl. G03c 1/02.

#### A PROCESS FOR THE PREPARATION OF SENSITIZED SILVER HALIDE EMULSION FOR MOTION PICTURE POSITIVE FILM.

*Applicant* : HINDUSTAN PHOTO FILMS MANUFACTURING COMPANY LIMITED, OOTACAMUND-643 005, TAMIL NADU.

*Inventors* : (1) DR. PURNA CHANDRA RATH  
(2) SRINIVASAN GUNASEELAN  
(3) HORASHOLA JOGHEE NANJAN

Application No. 60/Mas/80 filed March 26, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 3 Claims. No drawing

A process for preparing a sensitised fine grain photographic gelatino-silver halide emulsion suitable for black and white motion picture positive film, having low silver spread and improved ageing stability, comprising precipitation of silver halide grains having an average grain size of 0.7 microns by a method as herein described, coagulating and washing the emulsion, redispersing the said silver halide in an aqueous solution of gelatine and sensitising by known methods the resultant emulsion with a combination of gold sensitiser at a concentration of  $1 \times 10^{-6}$  to  $1 \times 10^{-5}$  mole of gold per mole of silver, a sulphur sensitiser such as alkali metal thiosulphate at a concentration of  $1 \times 10^{-6}$  to  $8 \times 10^{-4}$  moles of sodium thiosulphate per mole of silver and an optical sensitiser of dimethine merocyanine class derived from acidic nuclei such as rhodanine, thiophydantoin, thioxazolidinone, pyrozolone and oxazolones and basic nuclei such as thiazoles, oxazoles, pyrrolines, quinolines at a concentration of  $1 \times 10^{-6}$  to  $6 \times 10^{-4}$  moles per mole of silver and subsequent chemical ripening by known methods.

(Com.—6 Pages).

CLASS : 39G.

149837.

Int. Cl. C01F 7/60.

#### IMPROVEMENTS IN OR RELATING TO PROCESS OF CARBOCHLORINATING KAOLINITIC ORE TO PRODUCE ALUMINUM CHLORIDE.

*Applicants* : TOTH ALUMINUM CORPORATION, 5010 LEROY JOHNSON DRIVE, NEW ORLEANS, LOUISIANA, UNITED STATES OF AMERICA.

*Inventors* : RONALD WYNDHAM AND JOHN CHRISTOPHER TERRY.

Application No. 1119/Cal/77 filed on July 21, 1977.

Convention date November 5, 1976/(46065/76), U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

#### 14 Claims. No drawings

A process such as herein described of carbo-chlorinating a kaolinitic ore to produce aluminium chloride characterized in that at least one compound of an alkali metal with an

oxyanion (both as herein described) is admixed with the dried and comminuted ore in the presence of the solid carbonaceous reductant before and during calcination, the amount of the compound of the alkali metal with the oxyanion component being from 1% - 5% to provide preferential carbo-chlorination of alumina over silica in the kaolinitic ore.

Compl. Specn. 25 Pages.

Drg. Nil.

CLASS : 12J.

149838.

Int. Cl. B21b 27/00.

**APPARATUS AND METHOD FOR REDUCING THE CROSS-SECTION OF INFLARLY EXTENDED MATERIAL.**

*Applicants* : KABEL—UND METALLWERKE GUTEHOFFNUNGSHUTTE AKTIENGESELLSCHAFT, OF 271 VAHRENWALDER STRASSE, HANNOVER, GERMANY.

*Inventors* : ECKHARD TUSCHY, GEORG WISCHMEYER, AND WALTER STEINKAMP.

Application No. 215/Cal/78 filed February 28, 1978.

Convention date February 6, 1978 (04678/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 23 Claims

Cross rolling mill for continuous production of linearly extended material, of reduced cross section wherein, on a hollow axle permitting the passage therethrough of the material, there is mounted a roll carrier carrying a plurality of work rolls; the work rolls being substantially symmetrical about their own axis but being disposed obliquely with respect to the axis of the hollow axle so as to point towards the said axis; adjustment means for the axial adjustment of the work roll shafts preferably being associated with the work rolls; satellite wheels driving the work roll shafts and revolving about the material axis being provided which are in mesh with a sun wheel; a controllable and/or regulable driving means being associated with the sun wheel; and the operative surface of the work rolls having a deformation section, with or without a smoothing section; in which cross rolling mill the deformation section of the work rolls has a substantially paraboloidal configuration, whereby a substantially uniform deformation of the material, or a deformation which decreases as the consolidation of the material process occurs in successive cross-sections of that tapering portion of the material which lies at any given moment between its unreduced portion and its fully reduced portion.

Compl. Specn. 21 Pages.

Drg. 4 Sheets.

CLASS : 32F

149839.

Int. Cl. C07d 31/30

**PROCESS FOR PREPARATION OF "2-PHENOXY-5-TRIFLUORMETHYL PYRIDINE COMPOUNDS.**

*Applicants* : ISHIHARA SANGYO KAISHA LTD, OF NO. 3-11, FDOBORI 1-CHOMO, NISHI-KU, OSAKA-SHI, OSAKA, JAPAN.

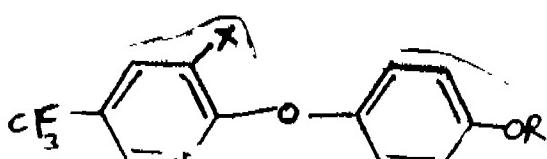
*Inventors* : RYUZO NISHIYAMA, KANICHI FUJIKAWA, TAKAHIRO HAGA, AND KUNIaki NAGATANI.

Application No. 758/Cal/78 filed on July 10, 1978.

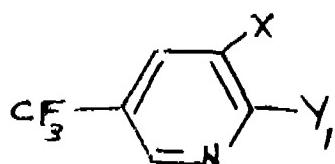
Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 5 Claims.

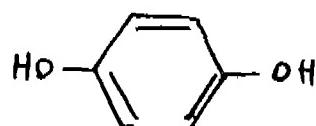
A process for preparing a 2-phenoxy-5-trifluoromethylpyridine compound of the general formula shown in figure 1.



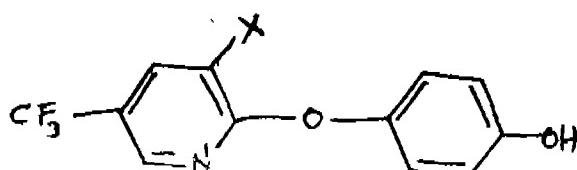
wherein X represents a hydrogen atom or a chlorine atom, and R represents a hydrogen atom or a cation, which comprises reacting a compound of the general formula shown in figure 2



wherein X is the same as defined above, and Y represents a fluorine atom or a chlorine atom, with a compound of the general formula shown in figure 3.



in the presence of an alkaline material at a temperature of 70 to 200°C to form a pyridyloxyphenol compound of the general formula shown in figure 4.



wherein X is the same as defined above.

Compl. Specn. 14 pages.

Drg. 1 Sheet.

CLASS : 201C.

149840.

**PROCESS FOR TREATING WASTE WATER.**

*Applicants* : TEXACO DEVELOPMENT CORPORATION, OF 135 EAST 42ND STREET, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

*Inventors* : CLIFTON WAYNE WESTBROOK, LLOYD JAMISON PARCELL, GARY LYNN CLAYTOR AND BYRON VON KLOCK.

Application No. 910/Cal/78 filed August 18, 1978.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 18 Claims No Drawings.

A method for treating a waste stream having toxic and corrosive properties due to the presence of cyanides, formates, and a halide of a metal or ammonia which comprises adding ferrous ions to said waste water, the amount of ferrous ions in moles being in excess of the total moles of cyanides present, while maintaining said waste water at a pH in the range from about 7 to 9 to effect the conversion of a substantial portion of said cyanides to iron cyanides and form a treated waste water, adding a base to said treated waste water until the pH of said waste water is in the range from about 9 to 11 to precipitate a sludge containing iron cyanides separating said waste water from said sludge, feeding said waste water to a biological reactor to effect the conversion of said formates to carbon dioxide and a biological residue, and recovering an environmentally upgraded waste water from said biological reactor.

Comp. Specn. 17 Pages.

Drg. Nil.

## OPPOSITION PROCEEDINGS

(2)

An opposition has been entered by M/s. Steelworth Pvt. Limited, on Patent Application No. 149194 made by Shri Yesurathinam Vincent.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Officer-in-charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

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(3)

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(4)

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(6)

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143607 143608 143609 143612 143613 143616.

(7)

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143693 143695 143698 143700 143701 143702 143704.

## PATENTS SEALED

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149099 149100 149101 149103 149112 149114 149115 149118  
149121, 149125 149126 149132.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Barbara Serednicka and Jacek Dlugolecki, both polish Citizens, and both of ul. Tetmajera II, 80-313 Gdansk-Oliwa, Poland have made an application under section 57 of the patent Act, 1970 for amendment of specification of their application for patent No. 148859 for "Improvements in or relating to support structures for furniture, stilt-lage plates, toys and the like." The amendments are by way of correction of the address of the applicants which has been changed to from 80-401 Gdansk, ol. K. Markska 2a/1, Poland to ul. Tetmajera II 80-313 Gdansk-Oliwa, Poland. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office 214, Acharya Jagadish Bose Road, Calcutta-700017, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

The amendment proposed by Badische Corporation (formerly known as Dow Badische Company) in respect of patent application No. 146424 advertised in part III, section 2 of the Gazette of India dated the 23rd February, 1980 have been allowed.

(2)

The amendments proposed by The Badger Company, INC., in respect of patent application No. 148637 as advertised in Part III, Section 2 of the Gazette of India dated the 17th October, 1981 have been allowed.

## REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS).

Assignments, licences, or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

82862.  
85236.  
88805  
91708  
92333  
91784  
97763.  
97925.  
102517.  
103564  
104739.  
105477.  
106859.  
108240.  
111323.  
111364.  
111826.  
114947.  
115202.  
115940.  
116436.  
121888.  
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136906.  
137520.  
137521.  
138229.  
138741.  
138823.  
139016.  
139028.  
139585.  
139652.  
140767.  
140980.  
141189.  
141265.  
141242.  
141265.  
141419.  
141902.

M/s. Societe Des Produits Nestle S.A.

114337. M/s. Steel Plant Services.  
 124964. M/s. American Pacemaker Corporation.  
 124964. M/s. Medtronic Inc.  
 142722. M/s. Centralab Inc.  
 143578. M/s. Velsicol Chemical Corporation.  
 145853. M/s. United Kingdom Atomic Energy Authority.

**PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the Patents.

- | <i>No.</i>        | <i>Title of the invention</i>                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 143713 (07.01.75) | Process and apparatus for digestion and expansion of bauxite slurry in the alumina production.                                                   |
| 143728 (18.02.76) | A method and a furnace for production of non-abrasive coke briquettes from lignite briquettes.                                                   |
| 143793 (31.03.76) | A process for the preparation of 3 : 5-xyleneol.                                                                                                 |
| 143845 (19.05.76) | Improvements in or relating to the process for the surface preparation of mandrels with nickel-tin electro deposit for electro-forming articles. |

**RENEWAL FEES PAID**

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 110357 110574 115290 115333 115394 115418 115481 115583  
 115668 115833 115835 117492 117846 120124 120619 120625  
 120626 120669 120671 120687 120688 120689 120692 120722  
 120771 120857 120864 120926 120951 120967 120994 120995  
 121132 121140 121191 121365 121465 121492 121554 121713  
 123194 125282 125932 126044 126051 126061 126208 126444  
 126908 126943 127243 128901 129044 129231 130750 130752  
 130843 130861 130877 130891 130893 130895 130923 130933  
 131136 131139 131140 131289 131476 131761 131896 134539  
 134540 134541 134542 134736 135019 135134 135177 135186  
 135190 135195 135196 135204 135238 135265 135345 135359  
 135467 135860 135947 136166 136870 137673 137675 137741  
 137847 138068 138676 138689 139486 139841 139915 139992  
 140083 140104 140155 140285 140466 140536 140596 140642  
 140926 141078 141184 141532 141891 141893 142203 142521  
 142622 142780 142873 142878 142915 142927 143034 143080  
 143415 143418 143476 143811 144047 144063 144142 144467  
 144687 144711 144761 144790 144823 145099 145171 145608  
 145851 146217 146227 146241 146283 146290 146305 146324  
 146436 146919 147063 147296 148349 148515 148535 148537  
 148744.

**RESTORATION PROCEEDINGS**

(1)

Notice is hereby given that an application for restoration of Patent No. 114681 dated the 22nd February, 1968 made by Baird Chemical Industries Inc., now changed to Lonza Inc., on the 30th August, 1978 and notified in the Gazette of India

Part-III, section 2 dated the 23rd December, 1978 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 123005 dated the 22nd February, 1968 made by Baird Chemical Industries Inc., now changed to Lonza Inc., on the 30th August, 1978 and notified in the Gazette of India, Part-III, Section 2 dated the 17th February, 1979 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 123006 dated the 22nd February, 1968 made by Baird Chemical Industries Inc., now changed to Lonza Inc., on the 30th August, 1978 and notified in the Gazette of India, Part-III, Section 2 dated the 17th February, 1979 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 133116 dated the 5th October, 1971 made by General Refractories Company on the 3rd October, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 1st March, 1980 has been allowed and the said patent restored.

(5)

Notice is hereby given that an application for restoration of Patent No. 138008 dated the 22nd March, 1973 made by Council of Scientific & Industrial Research on the 18th March, 1981 and notified in the Gazette of India, Part-III, Section 2 dated the 8th August, 1981 has been allowed and the said patent restored.

(6)

Notice is hereby given that an application for restoration of Patent No. 141373 dated the 22nd November, 1976 made by Dr. Shobh Nath Tiwari and Dr. Sham Lal Malhotra on the 22nd September, 1979 and notified in the Gazette of India, Part-III, Section 2 dated the 1st March, 1980 has been allowed and the said patent restored.

**REGISTRATION OF DESIGNS**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 3. No. 150576. Bengal Fancy Products of 12, Bibi Bagan Lane, Calcutta-700015, West Bengal, Indian Proprietary Firm. "Mirror". March 21, 1981.

Class. 3. No. 150903. Plastic Arts & Teecechem (India), an Indian Partnership Firm of Agarwal Estate, S. V. Road, Jogeshwari, Bombay-400060, Maharashtra. "Calendar Cum Mirror". June 17, 1981.

Class. 3. No. 150869. Shaki Plastic of Gujarat Industrial Compound, Tilak Nagar, Off. Aarey Road, Goregaon (East), Bombay-400063, Maharashtra, Indian Proprietary Firm. "Comb". June 4, 1981.

Class. 3. No. 150701. Rishikesh Chemical Works, Indian Partnership Firm of 16/1, Manick Bose Ghat Street, Calcutta-6, West Bengal, India. "Plastic Containers". April 24, 1981.

Class. 3. No. 150842. Figurette Private Limited of 75, Nehru Road, Behind Centaur Hotel, Vile Parle (East), Bombay-400099, Maharashtra, India. "Octagon Shaped Geyser". June 2, 1981.

Class. 3. No. 150900. T. T. Blades, an Indian Partnership Firm of T. T. Blades Building, 9A, Sakinaka, Andheri, Bombay-400072 Maharashtra, India. "Safety Razor". June 17, 1981.

Class. 3. No. 150681. Punit Rubber Works, an Indian Partnership Firm of 117, Bussa Industrial Estate, Century Bazar Lane, Worli, Bombay-400025. "Hot Water Bag". April 16, 1981.

Class. 3. No. 150591. Acoustic idelity of 22, Vishnu Mahal, 3rd Floor, 'D', Road, Churchgate, Bombay-400026,

Maharashtra, Indian Partnership Firm, "Stabilized dispersion system", March 24, 1981.

Class. 3. No. 150837. Victor Exports of A-35, Bonanza Industrial Estate, Ashok Chakravarti Road, Kandivli (East), Bombay-400067, Maharashtra, Indian Partnership Firm. "Water Jug". June 2, 1981.

S. VEDARAMAN,  
Controller General of Patents, Designs  
and Trade Marks.



# भारत का राजस्व

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 19] नई दिल्ली, शनिवार, मई 8, 1982 (वैशाख 18, 1904)

No. 19] NEW DELHI, SATURDAY, MAY 8, 1982 (VAISAKHA 18, 1904)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III\_खण्ड 2

#### [PART III—SECTION 2]

#### पेटेन्ट कार्यालय द्वारा जारी को गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस (Notifications and Notices issued by the Patent Office relating to Patents and Designs)

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 8th May 1982

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed  
under Section 135, of the Act.

31st March 1982

359/Cal/82. Lonza Ltd. Process for the preparation of amino-pyridines.

360/Cal/82. Johnathan L. Kiel. Insoluble crosslinked cytotoxic oxidase-peroxidase system.

361/Cal/82. Union Carbide Corporation. Novel oxime phosphate compounds.

362/Cal/82. Hoechst Aktiengesellschaft. Process for the preparation of disazo compounds.

363/Cal/82. Nustep Trenndusen Entwicklungs-und Patentverwertungs-gesellschaft MBH & Co., KG. Separation device for the separation of gaseous or vaporous substances.

1st April 1982

364/Cal/82. The Prestige Group PLC (formerly The Prestige Group Limited). Pressure cookers. (10th April, 1981/U.K.).

365/Cal/82. Hitachi, Ltd. Non-linear resistor and production thereof.

366/Cal/82. R. Toudian, SA. Machine for manufacturing mixed foodstuffs for animals.

367/Cal/82. Maschinenfabrik Rieter AG. Apparatus for winding a thread.

368/Cal/82. Kubota Ltd. Waste Water Treating—Apparatus for Denitrification.

57 GI/82

369/Cal/82. Nippon Carbide Kogyo Kabushiki Kaisha. Covering material for use in the cultivation of alyae (Divisional date 17th March 1979).

2nd April 1982

370/Cal/82. Aktiebolaget Svenska Flaktfabriken. Device at a dust filter.

371/Cal/82. Michelin & Cie, (Compagnie Generale des Etablissements Michelin). Radial tire for heavy loads.

372/Cal/82. Mitsubishi Rayon Co. Ltd. Achryalic fibers having irregular-form section and process for producing the same.

373/Cal/82. Nustep Trenndusen Entwicklungs-und Patentverwertungs-Gesellschaft Mbh & Co., KG. Separation device for the separation of gaseous or vaporous substances.

374/Cal/82. Sealed Power Corporation. Transmission fluid filter and method of manufacture.

3rd April 1982

375/Cal/82. Nustep Trenndusen Entwicklungs-und Patentverwertungs-Gesellschaft Mbh & Co., Kg. A device for separation of a gas mixture having heavy and light components.

376/Cal/82. ABBA Services. An improved method and an apparatus for the preparation of explosive slurry composition and means for delivering the same into a borehole.

377/Cal/82. Nustep Trenndusen Entwicklungs-Und Patentver tungsgesellschaft Mbh & Co. KG. A device for the separation of a gasmixture having heavy and light components by the separating-nozzle process.

378/Cal/82. Dr. Anil Krishna Kar. Fibre-Reinforced Concrete Manhole or Similar Covers.

(237)

379/Cal/82. Hoechst Aktiengesellschaft. Metering device.

5th April 1982

380/Del/82. American Home Products Corporation. Process for preparing naphthyridine derivatives. (10 April, 1980/U.K.). (Divisional date 10th Dec. 1980).

381/Cal/82. Hiroshi Ishizuka. Chlorinator furnace and method for producing tetrachloride of such metals as titanium and zirconium.

382/Cal/82. Diamond Shamrock Corporation. Recoating of electrodes. (6th April, 1981/U.K.)

383/Cal/82. The Boots Company Limited. Therapeutic Agents (6th April, 1981/U.K.).

384/Cal/82. John Walter Rilett. Fluid Containers (6th April, 1981/U.K.).

APPLICATION FILED AT PATENT OFFICE BRANCH,  
MUNICIPAL MARKET BUILDING, THIRD FLOOR,  
KAROL BAGH, NEW DELHI-5

15th March 1982

207/Del/82. Avn Hydropower Ltd., "Water Engine" (March 26, 1981).

208/Del/82. Eugeni Camilio Molas, "A clamp".

209/Del/82. General Refractories Co., "Resinous petroleum residue refractory binders".

210/Del/82. General Refractories Co., "Use of resorcinol polymer blend as a binder for carbon-containing refractory brick & shape".

16th March 1982

211/Del/82. Balvinder Singh, "Couplings of motor and water lifting pump".

212/Del/82. Deshraj Gupta & Co. (P) Ltd., "A coupling means".

213/Del/82. Deshraj Gupta & Co. (P) Ltd., "A coupling means".

214/Del/82. Deshraj Gupta & Co. (P) Ltd., "A coupling means".

215/Del/82. Armeo Inc., "A method of providing an anti-stick coating on non-oriented, semi-processed electrical steels to be subjected to a quality anneal".

216/Del/82. Briggs & Stratton Corporation, "Reciprocating piston-type internal combustion engine with improved balancing system".

217/Del/82. W. S. H. Taylor Engineering Developments Ltd., "Pick-up hitch mounting arrangements" (March 23, 1981).

17th March 1982

218/Del/82. Mineral Deposits Ltd., "Improved spiral separator". (March 18, 1981).

219/Del/82. The Direct Reduction Corporation, "Improved system for coal injection in iron oxide reducing kilns".

220/Del/82 Dunlop Ltd., "Tyre for a two wheeled single track vehicle".

221/Del/82. Scripto Inc., "Initially erasable ink composition for a ball point writing instrument".

222/Del/82. G. D. Societa, Per Azioni, "Web guide device".

18th March 1982

223/Del/82. Council of Scientific & Industrial Research, "An improved process for the preparation of m-nitro aniline from m-dinitro benzene by catalytic hydrogenation".

224/Del/82. Council of Scientific & Industrial Research, "An improved process for the preparation of 4-terpinenol".

225/Del/82. Robert Jinn Somerville, "Traveling belt filter".

226/Del/82 Bergwerksverband GMBH, "Method for the production of H<sub>2</sub>-and CO-containing gases".

227 Del/82 Ferro Corporation, "Glass composition and method of manufacture and article produced therefrom".

19th March 1982

228/Del/82. General Refractories Co., "Resorcinol polymer bonded tap-hole mix and specialty materials".

229/Del/82 Union Carbide Corporation, "A method of mixing a gas and a vaporizable liquid".

230/Del/82 Shri Gaur Dham Trust (Regd.), "Shuttleless power looms".

231/Del/82 Shri Gaur Dham Trust (Regd.), "Shuttleless power looms".

232/Del/82. Shri Ram Institute for Industrial Research, "A concrete mix".

233/Del/82. Mahesh Chander Chawla, "Improved rear view mirror".

20th March 1982

234/Del/82. Aect Ltd., "An apparatus for and a method of testing detonating system".

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-

CLASS 85M. 149841.

Int Cl-F23b, 5/04, F23c 9 04.

AN APPARATUS AND METHOD FOR SEPARATING LOW DENSITY CHAR PARTICLES FROM HIGHER DENSITY INERT PARTICLES.

Applicant : COMBUSTION ENGINEERING, INC. OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : FRANCIS THOMAS MATTHEWS.

Application No 1052/Cal/78 filed 22 September, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) : Patent Office, Calcutta.

## 5 Claims.

An apparatus for separating low density char particles from higher density inert particles in a particle mixture thereof comprising: (a) a perforated table having first and second ends which is adapted to allow particles to migrate towards the second end; (b) inlet means for receiving the particle mixture and depositing the mixture of particles on to the perforated table at its first end whereby the mixture of particles will migrate towards the second end; means for causing a stream of air to flow up through the perforated table, the stream being sufficiently strong above the first end to fluidize substantially all the particles occupying the table at the first end, the strength being gradually reduced towards the second end so that substantially all particles above a predetermined density are no longer fluidized at the second end, the particles thereby being stratified during migration from the first end to the second end so that denser particles at the second end lie on the table below the fluidized less dense particles; and (c) means for causing a stream of air to flow up through the perforated table, the stream being sufficiently strong above the first end to fluidize substantially all the particles occupying the table at the first end, the strength being gradually reduced towards the second end so that substantially all particles above a predetermined density are no longer fluidized at the second end, the particles thereby being stratified during migration from the first end to the second end so that denser particles at the second end lie on the table below the fluidized less dense particles, and (d) a scoop positioned at the second end of the table at such a height as to remove only those particles that are more than a predetermined height above the table at the second end.

Comp. Specn. 12 Pages.

CLASS 32F<sub>2</sub>(a) & (b) &55D<sub>2</sub>.

Int. Cl.-C 01C 125/00.

## PROCESS FOR THE PREPARATION OF PHOSPHINIC ACID DERIVATIVES OF AMINO THIO-METHYL CARBAMATES.

Applicants : THE UPJOHN COMPANY, OF 301 HENRIETTA STREET, KALAMAZOO, MICHIGAN UNITED STATES OF AMERICA.

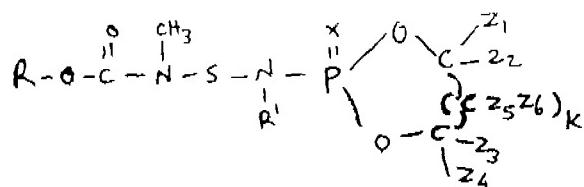
Inventor : STEPHEN JAMES NEISON.

Application No. 110/Cal/79 filed 5 February, 1979.

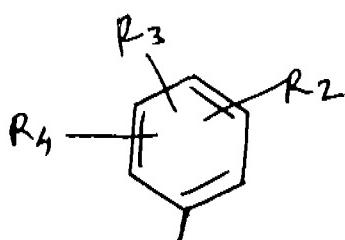
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A process for preparing N-[phosphinyl] amino thio-and N-[phosphinothioyl amino] thio-methyl carbamates represented by the formula shown in formula 1.

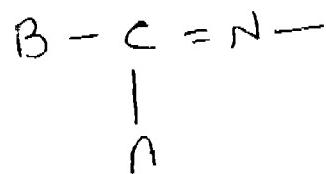


wherein R is selected from the group consisting of (a) a radical having the structure shown in Fig. 1.

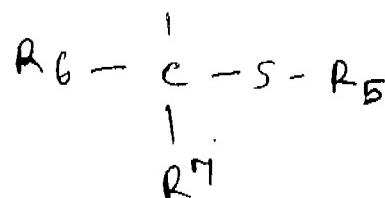


wherein R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> are the same or different and are selected from the group consisting of hydrogen, lower-alkyl of one to five carbon atoms, inclusive, halogen, lower alkoxy of

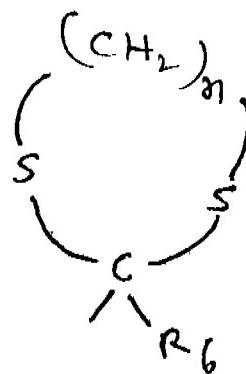
one to five carbon atoms, inclusive, lower-alkylthio of one to five carbon atoms, inclusive, di-alkyl-amino with each alkyl the same or different and having one to three carbon atoms, inclusive, and -N≡CH(NH<sub>2</sub>)<sub>2</sub>; (b) a radical having the structure shown in Fig. 2.



wherein A and B are the same or different and are selected from the group consisting of lower-alkyl of one to five carbon atoms, inclusive, lower-alkylthio of one to five carbon atoms, inclusive, monocyanato substituted alkylthio of one to five carbon atoms, inclusive, phenylthio wherein phenyl is unsubstituted or substituted with one to three substituents, same or different, selected from the group consisting of halogen and lower-alkyl of one to four carbon atoms, inclusive, cyano, alkoxy having one to five carbon atoms, inclusive phenyl, and hydrogen, with the proviso that when B is hydrogen, A is of the formula shown in Fig. 3.



wherein R<sub>5</sub> is selected from the group consisting of alkyl of one to three carbon atoms, inclusive, and phenyl; R<sub>6</sub> is alkyl of one to three carbon atoms, inclusive; R<sub>7</sub> is selected from the group consisting of alkyl of one to three carbon atoms, inclusive, and SR, wherein R is alkyl and is the same alkyl group as R<sub>6</sub> and R<sub>7</sub> together with the atoms to which they are attached from a dithio heterocyclic of the formula shown in Fig. 4



wherein n is 2 or 3 and the alkylene portion of the ring is unsubstituted or substituted with one or two methyl groups; A and B taken together with the carbon atom to which they are attached from a dithio heterocyclic of the formula in Fig. 5.

